UNITED STATES NAVAL INSTITUTE PROCEEDINGS

For the advancement of professional, literary, and scientific knowledge in the Navy

Volume 63
Whole Numbers 407-418
1937

Edited by
CAPTAIN G. V. STEWART, *United States Navy*

United States Naval Institute
Publication Office: Menasha, Wisconsin
Editorial and Business Office: Annapolis, Maryland
Advertising Department: **McGill Bldg., Washington, D.C.**

Eng. Lib.
Wash

U. S. NAVAL INSTITUTE PROCEEDINGS INDEX FOR VOLUME 63, 1937

January,	No. 407, pp. 1–151	July,	No. 413, pp. 922–1069
February,	No. 408, pp. 152–299	August,	No. 414, pp. 1070–1217
March,	No. 409, pp. 300–455	September,	No. 415, pp. 1218–1373
April,	No. 410, pp. 456–611	October,	No. 416, pp. 1374–1529
May,	No. 411, pp. 612–767	November,	No. 417, pp. 1530–1681
June,	No. 412, pp. 768–921	December,	No. 418, pp. 1682–1831

Page

A

Accidents—Vessels
Armeria (U.S. lighthouse tender)...939, ill. 925
Changes in International Rules for Preventing Collisions at Sea. R. F. Farwell.....527, 603, 763, 1065, 1213
Dangerous Doubts. T. W. Sheridan..... 789
Head and Head. R. F. Farwell..... 1601
Lights, Lawful, R. F. Farwell..... 307
Manley (U.S.) explosion..... 633
Safety Third. J. Hanna.....1144, 1625, 1626
Seamanship, Good. R. F. Farwell..... 667
Shaw (U.S.)-*Aquitania* (Brit. SS) collision.....633, ill. 637
Speed, Swells, and Damage—Who Pays? T. G. Schirmeyer..... 1275
Two Tugs and Freighter. C. C. Hanks.... 810
Administration and organization: Enlisted Personnel, Administration of. E. F. McCartin and A. M. Bledsoe..... 1272
Admiral Graf Spee (Ger.).....ill. 1367
Adriatic Sea, Naval Strategy in, during World War. A. E. Sokol..... 1077
Aërial navigation: See Navigation
Aërial warfare: See Warfare, Aërial
Ageton, A. A.....257, 409, 714
Airships (See also names of ships)
British Destruction of Zeppelins.....256, 871
Why Should United States Have Airships? F. H. Gilmer..... 806
Alaska
Aleutian Islands, Life in. W. M. Lockhart. 1001
Auk Lake.....ill. 1064
Douglas.....ill. 967
Dutch Harbor.....1002, ill. 1009
Eskimos.....929, 980, ills. 985, 988–90, 992
Foxes of Semisopochnoi Island..... 1017
Gastineau Channel.....ill. 967
Glaciers.....939, 969, ills. 924, 964, 1011–12, 1015, 1058–59, 1063–64
Harbor Hunting in Alaska. J. M. Ellicott.. 939
Juneau.....ill. 967
Ketchikan: Sunny Point Cannery.....ill. 926
King Island. C. H. Hilton..980, ills. 985–90, 992
Map—(413) loose insert
Mountains and volcanoes.....929, 939, 950, 1003, 1017, ills. 922–24, 926, 962–68, 986–87, 1009–16, 1057–64, 1305, 1308–9, 1312
Petersburg.....ill. 963
Piloting, Notes on Alaska. R. F. Farwell.. 969
Radio station, Amaknak Island..1002, ills. 1016
Resurrection Bay, Seward.....ill. 1308
Salmon industry: Some Ships That Have Passed. M. A. Ransom..... 953

Page

Alaska (Cont.)
Seagoing Indians. A. P. H. Tawresey..... 929
Seward.....ill. 1057
Sitka.....ill. 1014
Skagway.....ill. 965
Stephens Passage.....ill. 1062
Tempest and Storm in Ultima Thule. H. B. Hutchinson..... 993
Totem poles, Ketchikan.....ill. 991
Wrangell.....ill. 968
Wrangell Narrows.....ills. 962–63
Alcedo (U.S.).....630, ill. 1708
Sinking. C. C. Hanks..... 1762
Aleutian Islands: See Alaska
Allen, W. H.....ill. 1160
Chesapeake-Leopard Affair. W. E. Apgar.....1150, 1525
Allen's, Captain, Battle with English Barge. H. E. Dow..... 76
Alliance (U.S.).....ills. 525, 1243
Favorite Ship of American Revolution. L. H. Bolander..... 1249
Amerigo Vespucci (It.).....ill. 862
Ammon, W. B.: Fijian Adventure..... 224
Amphion (Br.).....ill. 1364
Amphitrite (U.S.).....ill. 244
Anchor chain, Washing.....ill. 1533
Annapolis, Md.
Bird's-eye view, Civil War.....ill. 1617
Camps Parole and Richmond.....ills. 1620–21
Civil War Annapolis. L. H. Bolander.....1612, ills. 1617–24
Ansel, W. C.....564, 749, 870
Apgar, W. E.: William H. Allen and *Chesapeake-Leopard* Affair.....1150, 1525
Aptitude tests: Human Engineering in Navy. 104
Aquino, R. de.....398, 401
An All Log Tangent ± Log Secant Navigation Table.....643, 714
Sidereal or Mean Time Chronometers?.1430, 1469
Aquitania (Brit. SS)..... 633
Argentina
Buenos Aires.....ills. 7–8, 288
Reception of F. D. Roosevelt, Buenos Aires.....ills. 8, 288
Argonne (U.S.).....ill. 1013
Argus (U.S.) and *Pelican* (Br.).....1150, ill. 1157
Arizona (U.S.).....ill. 598
Ark Royal (Br.).....1036, ills. 1599–1600
Arkansas (U.S.).....ill. 601
Armenia (U.S.)..... 633
Armeria (U.S. lighthouse tender) aground, Cook Inlet, Alaska.....939, ill. 925
Armknecht, R. F.....403, 1320
Australia: Sydney.....ills. 204–5

Page

Austro-Hungarian Fleet, 1913..1077, ills. 1070, 1074
Aviation—Aircraft
China Clipper.....ills. 1361, 1439, 1709
Flying-Boat Development, Influence of, on Sea Power. E. E. Wilson..... 1433
Flying Boats. R. R. Gurley..... 1302
Hawaii Clipper at Pearl Harbor, T. H...ill. 1438
Naval types (U.S.).....ills. 203, 1010–11, 1058, 1133–35, 1305–12, 1437, 1440–41
Radio-controlled seaplane, *Neptune* (Br.).ill. 300
Sikorsky *S-42*.....ills. 1442–44
Aviation insurance: See Insurance
Aylwin (U.S.).....ills. 771–72

B

Baldridge, H. A..... 407
Sims—The Iconoclast.....183, 918
Balearic Islands: "Les Isles Baléares, Monsieur!" C. Moran.....1101, ills. 1093–1100
Baltic (U.S. SS).....696, ill. 705
Baltzly, F..... 403
Bancroft (U.S.).....ill. 1463
Barbary Wars
Blockade of Tripoli 1801–1802. F. Howland 1702
Bombardment of Tripoli, 1804.....ills. 1687–88
Of Pirates and Rovers. C. Moran.....511, ills. 521–24
Barber, R.: Comparison of Costs..... 1561
Barney, J.....839, ill. 837
Barry, J.....ill. 343
Bassler, R. E.: "Splice the Main Brace"..... 1588
Battles (See also names of battles)
Aggressive in Naval Battle (100 battles). W. N. Thornton..... 1405
Argus (U.S.) and *Pelican* (Br.)....1150, ill. 1157
Bon Homme Richard (U.S.) and *Serapis* (Br.): Deck scene.....ill. 443
Chesapeake (U.S.) and *Leopard* (Br.).....1150, 1525, ill. 1158
Chesapeake (U.S.) and *Shannon* (Br.)..... 105
Enterprise (U.S.) and *Boxer* (Br.)..... 453
General Armstrong (U.S. privateer) and British squadron, Fayal.....503, 551, ill. 499
Gunboats at Memphis, Civil War.....ill. 449
Peacock (U.S.) and *Epervier* (Br.)...1581, ill. 1597
St. Paul (U.S.)and *Terror* (Span.)..... 866
Battleships (See also names of ships)
Battleships—United States
Anchorage.....ill. 175
At sea.....ills. 176–79, 1212
Beachy Head, Battle off.....ill. 1401
Bell, A. G.: Telephone.....1543, ills.1557–59
Bellatty, W. J.....1763, ill. 1707
Bends: See Divers
Bergesen, A. O. R..... 403
Berry, A. G..... 102
Bjerknes, J..... 397
Blake, G. S.....ill. 701
Bledsoe, A. M. (joint author): See McCartin, E. F.
Boatswain's Mate Passes Word. F. A. Todd .....1458, ills. 1461–62
Bogoslof Island. G. E. Morris, Jr.....950, ill. 961
Bolander, L. H..... 1788
Civil War Annapolis..... 1612
Frigate *Alliance*, Favorite Ship of American Revolution..... 1249
Bolzano (It.).....ill. 1522
Bombs leaving planes.....ill. 1135
Bon Homme Richard (U.S.) and *Serapis* (Br.): Deck scene.....ill. 443

Page

Book Limitation, Notes on. J. Hanna....371, 870
Book reviews
Alden, C. S.: *Lawrence Kearny, Sailor Diplomat*..... 563
Beelitz, H.: *Development and Change of Airship Utilization in Naval Warfare*..... 561
Bell, D.: *Elizabethan Seamen*..... 259
Bemis, S. F.: *A Diplomatic History of the United States*..... 407
Besse, S. B.: *C. S. Ironclad "Virginia"*..... 1174
Borchard, E. M., and Lage, W. P.: *Neutrality for the United States*..... 1171
Brewington, M. V.: *Chesapeake Bay Log Canoes*..... 1174
Brumbaugh, G. M.: *Revolutionary War Records, Volume I, Virginia*..... 1173
Calahan, H. A.: *The Ship's Husband*..... 1026
Cugle, C. H.: *Cugle's Two-Minute Azimuths*, Vol. II..... 409
Dupuy, R. E., and G. F. Eliot: *If War Comes*..... 1631
Hallgren, M. O.: *Tragic Fallacy*..... 1327
Hill, J. D.: *Texas Navy*..... 719
H. O. 214, Vol. IV: *Tables of Computed Altitude and Azimuth*..... 257
Hydrographic Review, Vol. XIII, No. 2.... 876
Jane's All the World's Aircraft, 1936..... 406
Jane's Fighting Ships, 1936..... 405
Jordanoff, A.: *Your Wings*..... 563
Lisle, B. O.: *Tanker Technique, 1700–1936*. 1173
Lloyd George, D.: *War Memoirs*, Vols. V–VI..... 873
Miller, H. B.: *Navy Wings*..... 1486
Millis, W.: *Viewed without Alarm; Europe Today*..... 1632
Niemöller, M.: *From U-Boat to Pulpit*..... 1634
Prentiss, A. M.: *Chemicals in War*..... 1025
Rector, G.: *Dine at Home with Rector*..... 1331
Riesenberg, F.: *Standard Seamanship for the Merchant Service*..... 717
Rose, H. W.: *Brittany Patrol*..... 1787
Seaman's Handbook for Shore Leave..... 1350
Spaulding, O. L: *Pen and Sword*..... 1631
Spaulding, O. L.: *United States Army in War and Peace*..... 876
Staley, E.: *Raw Materials in Peace and War* 1330
Stevens, W. O., and Wescott, A.: *A History of Sea Power*..... 1484
Talbot-Booth, E. C.: *House Flags and Funnels of British and Foreign Shipping Companies*..... 718
Talbot-Booth, E. C.: *Ships of the World's Battlefleets*..... 718
Talbot-Booth, E. C.: *Waterline Ship Models* 718
Tellier, A. J.: *Navigator's Compendium*.... 409
Wead, F.: *Gales, Ice, and Men*..... 1630
Weems, P. V. H.: *Air Navigation* (British Empire Edition)..... 1633
West, R. S., Jr.: *Second Admiral*..... 1788
Weyers Taschenbuch der Kriegsflotten, 1937 564
Bounty (Br.): Descendants of mutineers..... 606
Bowditch, N.....1829, ill. 89
Mathematician, Navigator, Astronomer. E. S. Clark, Jr.....84, ills. 90–91
Boxer (Br.) and *Enterprise* (U.S)..... 453
Boyden, H. D.: Curse of Santo Domingo.... 57
Branch, L. W..... 1017
Brazil
Reception of F. D. Roosevelt, Rio de Janeiro .....ill. 287
Rio de Janeiro.....ills. 2–6, 287

Page

Brazil (Cont.)
Vigia harbor ... ill. 202
Broke, P. B. V. ... 106
Brown, E. W. ... 1025
Human Machine in Deep-Sea Diving ... 822
Brown, W., Argentine admiral ... 764
Brownson, H. G.: Sea Power and World Peace 1689
Brummer (Ger.) ... ill. 1524
Budgets: Strategy for Thrift. J. T. Salmon ... 1577
Buena Ventura (U.S.) ... 631
Buenaño M., J. ... 554
Burrows, A. C. ... 100, 712
Butler, B. F. ... 694, ill. 700

C

Cable, Atlantic, *Great Eastern* (Brit. SS) ... ill. 1555
Cablegram apparatus ... ills. 1556
Cafeteria Afloat. E. D. Foster ... 19, ills. 25–27
Caisson disease: See Divers
Caldwell, C. H. B.: Fijian Adventure. W. B. Ammon ... 224
California
San Diego: Naval Training Station ... ills. 1378–80, 1530–31
Seiches, California, and Philippine Typhoons. H. Leypoldt ... 775, ills. 791–95
California (U.S.) ... ills. 596, 1211
Californian (U.S.) ... 631
Camps, Recreational, for Enlisted Men. T. P. Riddle ... 1765, ills. 1769–76
Canada: Seymour Narrows, B. C. ... ill. 966
Cape St. Vincent, Battle near ... ill. 1403
Carlson, E. F. ... 397
Military Leadership ... 1587
Carney, R. B. ... 551
Cassin (U.S.) ... 632, ill. 636
Catapults
Neptune (Br.) and radio-controlled seaplane ... ill. 300
West Virginia (U.S.) ... ill. 1134
Cervera's Fleet, Destruction of, Santiago, 1898 ... 1239, ills. 1241–42
Chappel, Alonzo, and His Naval Paintings. C. L. Lewis ... 359, ills. 343, 363–70, 443–50
Chase (U.S. CG) ... ill. 181
Chesapeake (U.S.) and *Leopard* (Br.) ... ill. 1158
William H. Allen and *Chesapeake-Leopard* Affair. W. E. Apgar ... 1150, 1525
Chesapeake (U.S.) and *Shannon* (Br.) ... 105
Chester (U.S.) ... ill. 613
Chicago (U.S.) ... ill. 200
China
Armed Forces, Legal Bases for Use of Foreign, in China ... 397
Mongol Armada. G. Howell ... 1147, 1778, ill. 1148
River Steamer ... ill. 497
War area, 1937 ... 1678 and (417) loose insert
Yangtze, Action on. C. McR. Winslow ... 491, ills. 495–98
Chronometers: Sidereal or Mean Time? R. de Aquino ... 1430, 1469
Cincinnati (U.S.) ... ill. 457
Civil War (See also names of battles)
Annapolis, Civil War. L. H. Bolander ... 1612, ills. 1617–24
Naval Academy, Confederate States: Treasure Hunt in Reverse. W. Folk ... 380, 1167
Press, Navy and, During Civil War. R. West ... 33, 709
"(Private and Confidential) My Dear Fox—." R. West ... 694

Page

Clark, E. S., Jr. ... 97
First Lighthouse in United States ... 507
Nathaniel Bowditch ... 84
Clippers: See Sailing ships, names of ships
Clipperton Island: Forgotten Island. C. K. Perrill ... 799, ills. 796–98
Cluverius, W. T. ... 1631
Cochrane, A. F. I. ... 839, ill. 834
Cockburn, G. ... 839, ill. 835
Collins, E. B.: Star Finding with *Nautical Almanac* Chart ... 79
Collisions: See Accidents—Vessels
Colorado (U.S.) ... ill. 595
Columbus, C.: Prison, monument, and tomb, Santo Domingo City ... ills. 54–56
Commodore (U.S. sailing ship) ... ill. 200
Communications (See also Signals)
Wider Horizons. L. F. Safford (Semaphore, telegraph, telephone, and radio history) ... 1537, ills. 1553–60
Comparative and combatant strength of navies ... 417
Compass: Deviations by Watch, J. Schimm ... 74, 451
Concord (U.S.) ... ills. 457, 461
Confederate States Naval Academy: Treasure Hunt in Reverse. W. Folk ... 380, 1167
Connecticut River flood: See Floods
Constellation (U.S.) ... ill. 1463
Midshipmen on deck ... ills. 1461, 1464
Truxtun—The Builder. E. M. Eller ... 1445
Constitution (U.S.)
Bombardment of Tripoli, 1804 ... ills. 1687–88
On railway, 1857 ... ill. 1705
Conwell, T. C.: American Personnel for American Merchant Ships ... 171, 247, 1017, 1474
Cook, A. B.: Seagoing Language ... 45
Coringa (Br. tug) ... 207, 294
Coventry (Br.) ... ill. 1670
Covington (U.S.) ... 631
Creasap, L. ... 105
Cristoforo Colombo (It.) ... ills. 862
Cross, F. E. ... 869
Cruisers (See also names of ships)
Cruisers—United States: At sea ... ills. 306, 457, 618
Cuba: Guantanamo Bay, Fleet in, 1927 ... ill. 1137
Cumberland (Br.) ... ill. 1517
Customs, Naval: See Traditions, customs, and sea terms
Cyclops (U.S.) ... 634, ill. 642

D

Dahlgren, J. A. ... 655, ill. 666
Dale (U.S.) ... ill. 769
Danckwortt, T. B.: Diesel Progress of Small Marine and Auxiliary Engines ... 1261, 1785
Dashiell, P. J. ... 1526, ill. 1821
Davies, T. D. ... 251
Davis, M. S.: Capture of Washington ... 839
Decatur, S.: Frazier, D., saving ... ill. 450
Defiance (U.S. schooner) ... 76
Dennison, R. L. ... 707
De Ruyter, M. ... ill. 1397
Battle of Schooneveld ... ill. 1399
De Ruyter (Neth.) ... ill. 1368
Destroyers (See also names of ships)
Destroyers—United States: At sea ... ills. 178–80, 304–5, 389, 393, 773–74, 1205–6
Bridge ... ill. 550
Deviation, Compass: See Compass
Dewey (U.S.) ... ill. 303

Page

Diesels: See Engines
Dietrich, N. K. ... 1484
Di Palma, L.
  Plea for Merchant Marine Naval Reserve. 477
  Training Merchant Marine Naval Reserve Officer ... 1760, 1777
Diplomacy: An Incident in Naval Diplomacy: Toulon, 1834. J. H. Kemble ... 166
Divers
  Davis decompression chamber ... 827, ills. 831
  Human Machine in Deep-Sea Diving. E. W. Brown ... 822
  Stage, On ... ills. 832
Dominican Republic
  Columbus, C.: Prison, monument, and tomb Santo Domingo City ... ills. 54–56
  Curse of Santo Domingo. H. D. Boyden ... 57
  Memphis (U.S.) wreck, Santo Domingo City ... ills. 50–51
  San Pedro de Macoris ... ill. 52
  Santo Domingo City, old print ... ill. 49
Dow, H. E.: Captain Allen's Battle with English Barge ... 76
Downs, Battle of the ... ill. 1398
Dreisonstok, J. Y. ... 409
DuPont, S. F. ... ill. 368
Duvall, W. H.: Excerpts from Log of *Indianapolis* ... 685

E

Eagle *57* (U.S.) ... ill. 964
Education
  Naval Academy Preparatory Class. P. D. Gallery ... 376
  School of Line, Chief Petty Officers'. R. F. Larmour ... 355
  Stewards and Cooks, Higher Education for Officers'. C. J. Harter ... 321, 868
Eller, E. M.: Truxtun—The Builder ... 1445
Ellicott, J. M.: Harbor Hunting in Alaska ... 939
Ellis, E. B. ... 1019, 1169
Ellis, E. M. ... 395
Engines: Diesel Progress of Small Marine and Auxiliary Engines ... 1261, 1785
England—Navy
  Promotion of Officers. M. Radom ... 1293
  Spithead review, 1937 ... ill. 1185
  "Splice the Main Brace." R. E. Bassler ... 1588, ills. 1593–96
Enlisted personnel: See Personnel
Enterprise (U.S) and *Boxer* (Br.) ... 453
Epervier (Br.) and *Peacock* (U.S.) ... 1581, ill. 1597
Eskimos ... 929, 980, ills. 985, 988–90, 992
Eugenio di Savoia (It.) ... ill. 1363
Eulate, A. ... 1239
Evans, R. D.: Enemies. E. S. Kellogg ... 1239
Explosions: *Manley* (U.S.) ... 633

F

Falken (Swed.) ... 1722, ill. 1682
Farragut, D. G. ... ill. 366
Farwell, R. F.
  Changes in International Rules for Preventing Collisions at Sea ... 527, 603, 763, 1065, 1213
  Good Seamanship ... 667
  Head and Head ... 1601
  Lawful Lights ... 307
  Notes on Alaska Piloting ... 969
Field, C. W. ... ill. 1554
Field, R. S.: Royal Italian Naval Academy ... 851
Figureheads: Hercules, *Ohio* (U.S.) ... 764

Page

Fiji Islands: Caldwell, C. H. B.: Fijian Adventure. W. B. Ammon ... 224
First Endorsement: Forwarded. F. Lee ... 62
Flags (See also Signals)
  Rig for aircraft identification ... ill. 394
Fleet reviews: Spithead, England, 1937 ... ill. 1185
Floods: Connecticut River: Water Rises. H. A. Rochester ... 215
Flying boats: See Aviation—Aircraft
Folk, W.: Treasure Hunt in Reverse ... 380, 1167
Football: See Naval Academy
Foote, A. H. ... ill. 367
Forts
  Moultrie: W. Jasper restoring flag ... ill. 444
  Philip, New Orleans, Attack on ... ill. 447
Foster, E. D.: Cafeteria Afloat ... 19
Fox, G. V. ... ill. 699
  Navy and Press During Civil War. R. West ... 33, 709
  "(Private and Confidential) My Dear Fox—." R. West ... 694
Fram: See Nansen's *Fram*
France—Navy: Promotion of Officers. M. Radom ... 1298
Franklin, B. ... ill. 1245

G

Galatea (Br.) ... ill. 1365
Gallery, P. D.: Naval Academy Preparatory Class ... 376
Galleys: Moroccan ... ill. 519
Gaspee (Br.): Destruction ... 347, ill. 345
General Armstrong (U.S. privateer) ... 303, 551, ills. 499–500
Genessee (U.S.) ... 810
Germany
  Berlin ... ills. 908–9
  Hamburg ... ill. 909
  Hildesheim ... ill. 910
  Kiel ... ills. 907
  Lübeck ... ill. 910
  Potsdam ... ill. 908
Germany—Navy: Promotion of Officers. M. Radom ... 1300
Gillmore, J. C. ... 335, ill. 341
Gilmer, F. H. ... 1319
  Why Should United States Have Airships?. 806
Glaciers, Alaska: See Alaska
"Gloucester", Log of the ... 293
Goff (U.S.) ... ill. 963
Gordon, J. A. ... 839, ill. 836
Gosnell, H. A. ... 97, 99, 399, 869
  World War Losses of United States Navy ... 630, 1169
Gotland (Swed.) ... ill. 1684
Grant, G.: Painting of *Constitution* (U.S.) ... 1688
Great Eastern (Brit. SS) ... 1677, ill. 1555
Grecale (It.) ... ill. 1362
Greece: Athens ... ills. 911–12
Grog: "Splice the Main Brace." R. E. Bassler ... 1588, ills. 1593–96
Grummann, H. R. ... 396
Guam: Flag at Naval Station ... ill. 199
Gulbransen, H. G.: Commercial Air Navigation ... 1713
Guns and gunnery
  Backing out slugs ... ill. 1536
  Battery arrangement, capital ships ... 749
  Old Guns, Some Notes on. R. B. Simons ... 653, 1479, ills. 659–65
  Rifle range, Recruits on ... ill. 1531

Page

Guns and gunnery (Cont.)
Small Arms and Navy. H. P. Martin..... 1753
Whale Island school, England..... 105
Gurley, R. R.
Flying Boats..... 1302
Wampanoag..... 1732

H

Hagner, F. H.: Hagner Position Finder.....
.....1277, ills. 1281–82
Hanks, C. C..... 453
Affair at Baler..... 335
Sinking of *Alcedo*..... 1762
Two Tugs and Freighter..... 810
Hanna, J.
Notes on Book Limitation.....371, 870
Safety Third.....1144, 1625, 1626
Harriet Lane (U.S.).....ill. 704
Harter, C. J.: Higher Education for Officers' Stewards and Cooks.....321, 868
Hartley, B.....103, 255, 1019, 1166, 1473
Hartley, H. H..... 864
Haugh, F..... 1167
Haus, A., and Staff, Austro-Hungarian Navy
.....ill. 1071
Hawaiian Islands
Hilo harbor and planes.....ill. 203
Lahaina Roads, Fleet in.....ill. 1136
Hawk (U.S.).....ill. 543
Hecking, J. F..... 1785
Heiser, H. M.: Classification Societies....220, 1313
Helalia (Tunis.).....ill. 524
Helgoland.....1359, 1629
Hell Gate (U.S.A. dredge): See Towing
Henning, E. R.....708, 1165
Heraldry and Our International Signal Flags. 555
Hilton, C. H.: King Island..... 980
Hindenburg (Ger. airship).....809, 1033, 1319
Hinkel, H., Jr..... 251
Historic Ships of Navy. R. W. Neeser
Peacock..... 1581
Queen of the West..... 1584
Hoffmann, G. H..... 256
Homes: You Can Own Your Home in Navy!
.....100, 712
Hopkins, E.....349, ill. 342
Horne, F. J..... 406
Hospital ships (See also names of ships)
Fleet Hospital Ship. L. W. Johnson..... 1225
House, R. E.: Printing telegraph.....ill. 1553
Houston (U.S.).....ill. 201
Hovgaard, W.: Is War Inevitable?..... 1423
Howell, G.: Mongol Armada.....1147, 1778
Howland, F.: Blockade of Tripoli 1801–1802. 1702
Hull (U.S.).....ill. 1206
Human engineering: See Aptitude tests
Hume, E. E..... 1174
Humphreys, S. P.....1153, ill. 1161
Huntscliffe (Brit. SS)..... 810
Hutchinson, H. B.: Tempest and Storm in Ultima Thule..... 993

I

Ihrig, R. M.
Bonanza..... 534
Pass Defense for Battle Line.....1117, 1780
Illinois (U.S.): Replica.....538, ill. 547
Indianapolis (U.S.).....ill. 8
Excerpts from Log. W. H. Duvall..... 685
Indians, Seagoing. A. P. H. Tawresey..... 929
Inglis, T. B..... 403

Page

Insurance
Aviation Insurance Plan, New. G. Merrill.
.....818, 1320, 1323
Insurance for Protection. R. T. Sutherland, Jr..... 480
Recruits, Insurance for Naval. J. J. Levasseur..... 1393
International law
Airplane in International Law..... 399
Right of Angary: *Jus Angaria*. T. W. Sheridan..... 159
Iowa (U.S.)..... 1239
Irish Pennants. R. T. Sutherland, Jr.....
.....560, 872, 1170, 1483
Isherwood, B. F.: Plan for ship modernization 866
Italy: Rome.....ills. 913–14
Italy—Navy: Royal Italian Naval Academy.
R. S. Field.....851, ills. 855–62

J

Jacob Jones (U.S.)..... 630
Japan
Mongol Armada. G. Howell.1147, 1778, ill. 1148
Tokyo.....ills. 1162–64
Japan—Navy
Navy League of Japan. H. H. Smith-Hutton 191
Promotion of Officers. M. Radom..... 1297
Japan Current: See Oceanography
Jarramas (Swed.).....1722, ills. 1683–84
Jason (U.S.).....ill. 240
Jasper, W., restoring flag at Fort Moultrie.ill. 444
Jervis, J.....ill. 1404
Johnson, B. K..... 1478
Johnson, L. W.: Fleet Hospital Ship..... 1225
Juan Sebastian de Elcano (Span.).....ill. 762
Jutland, Battle of: Veterans of Jutland. W. L. Robinson..... 627

K

K-type submarines: See Submarines—United States
Kane, E. K.....ill. 370
Kearsarge (U.S.).....606, ills. 548–49
Kellogg, E. S.: Enemies—Hitherto Unpublished Footnote to History..... 1239
Kemble, J. H.: An Incident in Naval Diplomacy: Toulon, 1834..... 166
Kempthorn's engagement with Algerine men-of-war.....ill. 522
King Island. C. H. Hilton..980, ills. 985–90, 992
Klein, F. N., Jr..... 254
Knerr, H. J..... 1633
Knox, D. W.....559, 1327
Naval Power as Preserver of Neutrality and Peace.....619, 1469
Krause, R. E.: War and Peace..... 1724
Kuroshio or Japan Current: See Oceanography

L

La Galissonniere (Fr.).....ill. 1518
La Hogue, Battle of.....ill. 1400
Lakemoor (U.S.)..... 630
Landais, P.....1252, ill. 1244
Landing operations: See Strategy and tactics
Larmour, R. F.: Chief Petty Officers' School of Line..... 355
Leadership
Leadership Can't Be Taught. C. G. Rucker 1235
Military Leadership. E. F. Carlson..... 1587
Lee, F.: First Endorsement: Forwarded..... 62
Le Malin (Fr.).....ill. 1674

Page

Leopard (Br.) and *Chesapeake* (U.S.)....ill. 1158
William H. Allen and *Cheaspeake-Leopard* Affair. W. E. Apgar....1150, 1525
Levasseur, J. J.: Insurance for Naval Recruits 1393
Leverton, J. W., Jr.... 868
Leviathan (U.S. SS)....1526, ill. 759
Lewis, C. L.: Alonzo Chappel and His Naval Paintings.... 359
Leypoldt, H.: California Seiches and Philippine Typoons.... 775
Life insurance: See Insurance
Lighthouse Service: Harbor Hunting in Alaska. J. M. Ellicott....939, ill. 925
Lighthouses
Clipperton Island....ill. 798
First Lighthouse in United States. E. S. Clark, Jr....507, ills. 508–9, 525–26
Lights, Lawful. R. F. Farwell.... 307
Limitation of armaments: Naval Limitations. H. H. Smith-Hutton....463, 1168
Lincoln, P. S....104, 707
Litchfield (U.S.)....ill. 962
Littlehales, G. W.... 398
Livingston, B.... 1780
Lloyd's Register of Shipping....221, 1313
Lockhart, W. M.: Life in Aleutian Islands... 1001
Logs
Indianapolis, Excerpts from Log of. W. H. Duvall.... 685
Nymphe (Br.): Blockade of Boston. R. T. Sutherland, Jr.... 195
Long, H. F....401, 716
Long (U.S.)....ill. 962
Loud-speaker, Public address....ill. 1559
Lucier, R. O....708, 1165
Lurline (U.S. SS)....ill. 755

M

McCartin, E. F., and A. M. Bledsoe: Administration of Enlisted Personnel.... 1272
McCracken, A. R.... 1170
McFall, A. C.... 1486
McKay, D.: Master Shipbuilder.... 97
McLean, E. R., Jr.... 399
Macdonough (U.S.)....ills. 302, 1205–6
MacMullen, G. F.: *Semper Paratus*—and Fourth Estate.... 1115
Malaga, Battle of....ill. 1402
Manhattan (U.S. SS)....ill. 756
Manley (U.S.).... 633
Mansfield, W. N....1019, 1473, 1625, 1777
Marblehead (U.S.)....ills. 459, 462
Marchant, W. A.... 396
Mariposa (U.S. SS)....ills. 182, 755
Marital difficulties, Personnel....813, 1170
Maritime law: See International law
Marmer, H. A.: Kuroshio or Japan Current.. 1426
Martin, H. P.: Small Arms and Navy.... 1753
Mason, W. A.... 716
Massachusetts
Boston Harbor, 1735....ill. 509
Boston Lighthouse....507, ills. 508–9, 525–26
Mazet, H. S.
Man-Killers of Ages.... 1289
Navy's Forgotten Hero.... 347
Mechanic (U.S. schooner).... 224
Medicine and surgery (See also Hospital ships)
Dispensary, *Oklahoma* (U.S.)....ill. 1532
Memphis (U.S.)....ill. 459
Wreck, Santo Domingo City....ills. 50–51

Page

Mendl, W. V....555, 1213, 1313, 1479
Merchant marine—United States
Intership Communication.... 254
License examinations....255, 1019, 1473
Personnel, American, for American Merchant Ships. T. C. Conwell.... ....171, 247, 1017, 1474
Personnel Problem, Merchant Marine. J. G. Stapler....688, 1315
Reserve, A Plea for Merchant Marine Naval. L. Di Palma.... 477
Reserve, Ideal Merchant Marine. E. H. Peterson.... 169
Reserve Officer, Training Merchant Marine Naval. L. Di Palma....1760, 1777
Signaling and U. S. Merchant Marine. 103, 1166
Subsidy Bill, Officers and Ship.... 1019
Merchant ships (See also names of ships)
Classification Societies. H. M. Heiser..220, 1313
Merrill, G.: New Aviation Insurance Plan... ....818, 1320, 1323
Mess
Cafeteria Afloat. E. D. Foster....19, ills. 25–27
Higher Education for Officers' Stewards and Cooks. C. J. Harter....321, 868
Wardroom Mess.... 1169
Meteorology
Cyclones, Structure of Tropical. A. E. True 329, 397
Seiches, California, and Philippine Typhoons. H. Leypoldt.... 775
Snowstorms in Tropics. C. A. Phillips.... 1141 ....ills. 1138–40
Tempest and Storm in Ultima Thule. H. B. Hutchinson.... 993
Miantonomah (U.S.)....ill. 246
Mikuma (Jap.)....ill. 1675
Milwaukee (U.S.)....ill. 456
Mindte, R. W.: Longitude by H. O. 208 and Eclipse....193, 1023
Minneapolis (U.S.)....ill. 616
Minnesota (U.S.)....633, ill. 635
Mississippi (U.S.)....ill. 597
Modernization of ships: Isherwood's plan.... 866
Monadnock (U.S.)....ills. 241, 243
Monaghan (U.S.)....ills. 768, 770
Mongol Armada. G. Howell....1147, 1778, ill. 1148
Monitors (See also names of ships)
American Monitors. P. R. Osborn.235, 713, 1021
Civil War type at sea....ill. 243
Monuments and memorials: Columbus, Santo Domingo City....ills. 55–56
Moore, J. B.... 1171
Moran, C.
Genesis of Naval Policies.... 9
"Les Isles Baléares, Monsieur!".... 1101
Of Pirates and Rovers.... 511
Trafalgar, Death Knell of an Alliance..... 1567
Morocco: Galley....ill. 519
Morris, G. E., Jr.: Bogoslof Island.... 950
Morris, R....ill. 1246
Morse, S. F. B....ill. 1554
Telegraph....1539, ill. 1553
Moses, R....ill. 1374
An Early Episode.... 1391
Motor Launch *3429*.... 631
Mount Vernon (U.S.).... 632
Mountains and volcanoes: Alaska: See Alaska
Mugford and *Ralph Talbot* (U.S.) launching.. ....ills. 153–54

Page

Museums, Marine....294, 451
Musio Attendolo (It.)....ill. 1672
Mystery ships: *Santee* (U.S.)....632, ill. 641

N

Nahant (U.S.)....ill. 239
Najaden (Swed.)....1722, ill. 1684
Nansen's *Fram:* Great Ship's Last Mooring. R. L. Simons....83, ills. 92–93
Narwhal (U.S.)....ill. 1012
Nasami (Jap.)....ill. 1520
Nationalism: Credo—The Main Mission. M. A. Ransom.... 1413
Nautical Almanac: See Navigation
Naval Academy
  Bird's-eye view, Civil War....ill. 1617
  Civil War Annapolis. L. H. Bolander.... ....1612, ills. 1617–24
  Civil War period, Newport, R. I.... 146
  Football game, Army-Navy, 1890....ill. 1822
  Football game, Army-Navy, 1936....ills. 137–43
  Football squads....ills. 1823–28
  Graduates in civil life.... 146
  June Week pageant, 1937.... 915
  Midshipmen on *Constellation*....ills. 1461, 1464
  Museum.... 1214
  Practice cruise....916, 1066
  Preparatory Class. P. D. Gallery.... 376
Naval architecture
  Classification Societies. H. M. Heiser..220, 1313
  Welding versus Riveting in New Construction. M. G. Vangeli....164, 248, 863
Naval Historical Foundation...298, 452, 765, 1213
Naval Institute
  Articles solicited.... 1369
  Changes in officers.... 915
  Meetings and reports....603, 609–10
  Membership and subscriptions..1065, 1677, 1829
  Merchant Marine issue.... 1829
  Postagraph reply envelope....917, 1677
  Prize Essay Contest....451, 1829
  PROCEEDINGS, Complete sets of....1065, 1215
  PROCEEDINGS: Notes on Book Limitation. J. Hanna....371, 870
  Publications....765, 917–18, 1369–70
Naval Reserve: See United States and Merchant marine
Naval stations
  Ships That Count.... 559
  Training Station, Newport, R. I....ill. 1377
  Training Station, San Diego, Calif.... ....ills. 1378–80, 1530–31
Navarino, Battle of....ill. 520
Navigation
  Air Navigation, Commercial. H. G. Gulbransen....1713, ills. 1710–12
  Another Short Method.... 1482
  Chronometers, Sidereal or Mean Time? R. de Aquino....1430, 1469
  Fix from Altitude and Azimuth....398, 401
  Hagner Position Finder. F. H. Hagner.... ....1277, ills. 1281–82
  H. O. 208 and Eclipse, Longitude by. R. W. Mindte....193, 1023
  H. O. 211, Additional Uses for.... 251
  Log Tangent ± Log Secant Navigation Table. R. de Aquino....643, 714
  Nomograms, Three Simple Navigation.... 396
  Star Finding with *Nautical Almanac* Chart. E. B. Collins.... 79

Page

Navigation (Cont.)
  Star Sights, Convenient Preparation for... 403
  What Is Modern Navigation?....401, 716
Navy Department: Beginning of O. N. I.... 102
Navy League of Japan. H. H. Smith-Hutton. 191
Neeser, R. W.: Historic Ships of Navy
  Peacock.... 1581
  Queen of the West.... 1584
Neutrality
  Arms and.... 1181
  Naval Power as Preserver of Neutrality and Peace. D. W. Knox....619, 1469
Nevada (U.S.)....ill. 599
New Mexico (U.S.)....ill. 175
New York (U.S.)....ill. 600
Newspapers (See also Publicity)
  Crutch, Civil War Annapolis...1612, ills. 1618–19
Noise Annoys.... 707
North Carolina (U.S.)....605, 1475
Northampton (U.S.)....ill. 614
Northland (U.S. CG)....981, ills. 985, 988–90
Novara (Austro-Hung.)....ill. 1075
Nürnberg (Ger.)....ill. 1366
Nyland, F. C.... 555
Nymphe (Br.).... 195

O

Oceanography
  Kuroshio or Japan Current. H. A. Marmer. 1426
  Seiches, California, and Philippine Typhoons. H. Leypoldt.... 775
Ohio (U.S.): Figurehead.... 764
Old Navy: Personnel....145, ills. 28–31
Ophir (Neth. SS)....ill. 158
Oregon (U.S.): Crew cheering *Colon* (Span.) surrender....ill. 1242
Osbon, B. S....38, 709
Osborn, D. R., Jr.... 876
Osborn, P. R.: American Monitors..235, 713, 1021
Oscillation of bodies of water.... 775

P

Paducah (U.S.)....ill. 545
Paper work: First Endorsement: Forwarded. F. Lee.... 62
Parker, W. H....380, 1167, ill. 387
Passaic (U.S.)....ills. 242–43
Patrick Henry (Confed.)....380, ill. 388
Pawnee (U.S.)....ill. 703
Paying Combatants in Foreign Wars. J. L. Seligman.... 42
Peace
  Pressures Against Peace....99, 869
  Sea Power and World Peace. H. G. Brownson.... 1689
  War and Peace. R. E. Krause.... 1724
Peacock (U.S.).... 1581
Peacock (U.S.) and *Epervier* (Br.)....1581, ill. 1597
Peary, R. E.: Application for first job..864, ill. 865
Pelican (Br.) and *Argus* (U.S.)....1150, ill. 1157
Penelope (Br.)....ill. 1669
Perrill, C. K.: Forgotten Island.... 799
Perry, O. H....ill. 363
Perry (U.S.)....ill. 965
Personnel
  "Americanization" of U. S. Navy. M. Radom.... 231
  Enlisted Men, Marking of....708, 1165
  Enlisted Personnel, Administration of. E. F. McCartin and A. M. Bledsoe.... 1272

Page

Personnel (Cont.)
Human Engineering in Navy ... 104
Naval Academy Preparatory Class. P. D. Gallery ... 376
Old Navy ... 145, ills. 28–31
Petty Officers', Chief, School of Line. R. F. Larmour ... 355
Promotion, Middle of Road in ... 403
Record, Let's Look at. J. C. Van Cleve ... 1122
Recruits, Insurance for Naval. J. J. Levasseur ... 1393
Retirement: Comparison of Costs. R. Barber 1561
Stewards and Cooks, Higher Education for Officers'. C. J. Harter ... 321
Thrift and Responsibility—Those Outmoded Virtues. J. M. Sheehan ... 813, 1170
Warrant Quartermaster-Signalman? Why Not. F. V. Rigler ... 1259
Peru: Amazon naval flotilla ... 554
Peterson, E. H.: Ideal Merchant Marine Reserve ... 169
Pfaff, R. ... 397
Phelps, W. W. ... 1168, 1469
Philippine Islands: Baler, Affair at. C. C. Hanks ... 335
Phillips, C. A.: Snowstorms in Tropics ... 1141
Piloting, Alaska, Notes on. R. F. Farwell ... 969
Piracy: Barbary: Of Pirates and Rovers. C. Moran ... 511
Pitcairn Island: Descendants of *Bounty* (Br.) mutineers ... 606
Plattsburg, Battle of: War of 1812 ... ill. 446
Pocahontas (U.S.) ... ill. 702
Policy: Genesis of Naval Policies. C. Moran ... 9
Porter, D. ... ill. 364
Porter, D. D. ... ill. 365
Portland (U.S) ... ill. 615
Portsmouth (U.S.) ... ill. 1463
Powhatan (U.S.) ... 696, ill. 706
Pratt, F. ... 713
Basis of Our Naval Tradition ... 1107, 1779
President Lincoln (U.S.) ... 630, ills. 638–39
Press: See Publicity
Press gangs ... 1151, ill. 1159
Promotion: See Personnel
Publicity
Navy and Press During Civil War. R. West ... 33, 709
Semper Paratus—and Fourth Estate. G. F. MacMullen ... 1115

Q

Q-ships: See Mystery ships
Queen of the West (U.S.) ... 1584, ill. 1598
Quigley, W. M. ... 718

R

R.O.T.C.: See United States Naval Reserve
Radio communications: See Communications
Radio obstacle detector, *Normandie* (Fr. SS). 439
Radio stations: Alaska: Amaknak Island ... 1002, ill. 1016
Radom, M.
"Americanization" of U. S. Navy ... 231
Promotion of Officers in British, Japanese, French, and German Navies ... 1293
Raleigh (U.S.) ... ill. 458
Ralph Talbot and *Mugford* (U.S.) launching ... ills. 153–54
Ramsey, L. C.: Aërial Attacks on Fleets at Anchor ... 1126, 1780

Page

Randwijk (Neth. SS) ... ill. 156
Ranger (U.S.) ... ill. 301
Cafeteria Afloat. E. D. Foster ... 19, ills. 25–27
Ranger (U.S. yacht) ... ill. 1706
Ransom, M. A.
Credo—The Main Mission ... 1413
Some Ships That Have Passed ... 953
Red Rover (U.S. hospital ship) ... ill. 1218
Reid, S. C. ... ill. 502
General Armstrong (U.S. privateer) at Fayal ... 503, 551, ills. 499–502
Reid (U.S.) ... ill. 501
Relief (U.S. hospital ship) ... 1226, ills. 1220–24
Resolute (U.S.): Visit of Queen Victoria ... ill. 32
Resolution (Br.) ... ill. 1671
Retirement: See Personnel
Revolutionary War
Alliance, Frigate, Favorite Ship of American Revolution. L. H. Bolander ... 1249
Navy's Forgotten Hero. H. S. Mazet ... 347
Rhode Island: Newport: Naval Training Station ... ill. 1377
Richards, G. ... 873, 1315
Riddle, T. P.: Recreational Camps for Enlisted Men ... 1765
Rigler, F. V.: Why Not Warrant Quartermaster-Signalman? ... 1259
Rijhland (Neth. SS) ... ill. 155
Riveting: See Naval architecture
Roanoke Island, Attack on. Civil War: Landing of troops ... ill. 448
Robbins, R. C. ... 1169
Robbins, T. H., Jr. ... 1017
Robinson, B. R., collection of naval prints ... 1213
Robinson, W. L. ... 866
Veterans of Jutland ... 627
Robison, S. S. ... 719
Rochester, H. A.: Water Rises ... 215
Rodgers, W. L. ... 1631
Rodney, G. B.: Battle near Cape St. Vincent ... ill. 1403
Roosevelt, F. D.: South American visit, 1936 ... 685, ills. 1–8, 287–92
Roosevelt, G. E. ... 401
Rosendahl, C. E. ... 561
Rossell, H. E. ... 248
Rucker, C. G. ... 563, 712
Leadership Can't Be Taught ... 1235
Rudder, Rigging a jury ... 1198
Rules of road: See Accidents—Vessels

S

S-4 (U.S.) ... ill. 833
Saetia (U.S.) ... 632
Safety at sea: See Accidents—Vessels
Safford, L. F.: Wider Horizons ... 1537
Sailboats: Brazilian ... ill. 202
Sailing ships (See also names of ships)
Clippers' sailing records ... 97, 99, 869
McKay, Donald, Master Shipbuilder ... 97
Salmon packets: Some Ships That Have Passed. M. A. Ransom ... 953
St. Paul (U.S.) and *Terror* (Span.) ... 866
Salmon, J. T.: Strategy for Thrift ... 1577
Salmon industry: Some Ships That Have Passed. M. A. Ransom ... 953
Salt Lake City (U.S.) ... ills. 612, 1207
San Diego (U.S.) ... 631, ill. 640
Santa Clara (U.S. SS) ... ill. 758
Santee (U.S.) ... 632, ill. 641

Page

Santo Domingo: See Dominican Republic
Saratoga (U.S.) ..... ills. 1209, 1463
Schimm, J. 1482
Deviations by Watch 74, 451
Schirmeyer, T. G.: Speed, Swells, and Damage —Who Pays? 1275
Schooneveld, Battle of ..... ill. 1399
Sea-lion rookery, Bogoslof Island ..... ill. 961
Sea power
Influence of Flying-Boat Developments on Sea Power. E. E. Wilson 1433
Preserver of Neutrality and Peace, Naval Power as. D. W. Knox 619, 1469
World Peace, Sea Power and. H. G. Brownson 1689
Sea terms: See Traditions, customs, and
Seiches: See Oceanography
Selection and promotion: See Personnel
Self-Containment, Our Armor of. M. F. Talbot 1381
Seligman, J. L.: Paying Combatants in Foreign Wars 42
Semaphore system: See Signals
Serapis (Br.) and *Bon Homme Richard* (U.S.): Deck scene ..... ill. 443
Sextants: Averaging 558
Shafroth, J. F. 1787
Shannon (Br.) and *Chesapeake* (U.S.) 105
Shark (U.S.) ..... ill. 1208
Sharks: Man-Killers of Ages. H. S. Mazet ..... 1289, ills. 1283–88
Shaw (U.S.) ..... 633, ill. 637
Sheehan, J. M. 1169
Those Outmoded Virtues—Thrift and Responsibility 813, 1170
Sheridan, T. W. 709, 1779
American Marine Thermopylae 503, 551, 918
Dangerous Doubts 789
Jus Angaria 159
Shipbuilding: See Naval architecture
Signal bridge, *Minneapolis* (U.S.) ..... ill. 1534
Signalman, Why Not Warrant Quartermaster. F. V. Rigler 1259
Signals
Distress: Inverted ensign 395, 1066
Heraldry and Our International Signal Flags 555
Intership Communication 254
Semaphore system ..... 1538, ills. 1247–48
Signaling and U. S. Merchant Marine 103, 1166
Sigsbee, C. D.: Letter re *St. Paul* (U.S.) and *Terror* (Span.) 866
Simons, R. B.: Some Notes on Old Guns. 653, 1479
Simons, R. L.
Great Ship's Last Mooring 83
Sweden Reefs Her Sails 1722
Sims, W. S.: Sims—The Iconoclast, H. A. Baldridge 183, 918
Sirius (U.S.), *Hell Gate* tow: See Towing
Skillman, J. H.: Wardroom Melody 681
Small arms: See Guns and gunnery
Smith, L. P. Y. 256, 871
Smith-Hutton, H. H.
Naval Limitations 463, 1168
Navy League of Japan 191
Snowstorms: See Meteorology
Snyder, C. P. 405, 1330
Sokol, A. E.: Naval Strategy in Adriatic Sea during World War 1077
Solace (U.S. hospital ship) ..... ill. 1219
Songs, Naval: Grog 1588
Sonoma (U.S.) 810

Page

South Carolina: Charleston, Siege of, 1780. ill. 445
Spain
Activities U. S. Navy ..... ills. 389–94
Civil war aviation 743
Civil war refugees ..... ills. 390–91
Spanish-American War: Cervera's Fleet: Enemies. E. S. Kellogg ..... 1239, ills. 1241–42
Spears, W. O. 247
Spica (It.) ..... ill. 1523
"Splice the Main Brace." R. E. Bassler ..... 1588, ills. 1593–96
Stamps, Army and Navy series 557, 916
Standley, W. H. 335
Stapler, J. G.: Merchant Marine Personnel Problem 688, 1315
Star of Holland (U.S. sailing ship) ..... ill. 928
Star of Peru (U.S. sailing ship) ..... ill. 927
Stores, Taking on ..... ill. 1210
Strategy and tactics (See also Warfare, Aërial)
Aggressive in Naval Battle (100 battles). W. N. Thornton 1405
Landing force drills ..... ills. 94–96, 1535
Naval Strategy in Adriatic Sea during World War. A. E. Sokol 1077
Strong, R. T. 99, 869
Sturtevant (U.S.) ..... ill. 963
Submarine Chaser *CH.3* (Fr.) ..... ill. 1519
Submarine Chaser *209* (U.S.) 631
Submarines (See also names of ships)
Confederate Submarine. H. von Kolnitz ..... 1453, ills. 1465–68
Submarines—Germany: Flag-raising at Kiel. ..... ill. 907
Submarines—United States: K-type: An Early Episode. R. Moses ..... 1391, ills. 1374–76
Sumner, T. H. 1525
Sutherland, R. T., Jr. 866, 1021, 1323
Blockade of Boston 195
Insurance for Protection 480
Irish Pennants 560, 872, 1170, 1483
Sweden—Navy: Sweden Reefs Her Sails. R. L. Simons ..... 1722, ills. 1682–84
Swimming, Sailors ..... ill. 1211

T

Taigei (Jap.) ..... ill. 1676
Talbot, M. F.: Our Armor of Self-Containment 1381
Tallahassee (U.S.) ..... ill. 245
Tampa (U.S. CG) 631
Tawresey, A. P. H.: Seagoing Indians 929
Taylor, C. 1026
Taylor, J. R. M. 876
Telegraphy and telephony: See Communications
Telephotograph apparatus ..... ill. 1560
Teletypewriter switchboard ..... ill. 1560
Terminology, Nautical: See Traditions, customs, and sea terms
Terror (Span.) and *St. Paul* (U.S.) 866
Thomas, C. R. W. 1632, 1634
Thomason, J. W., Jr. 259
Thomlinson, M. 1629
Thornton, W. N.: Aggressive in Naval Battle 1405
Thrift
Strategy for Thrift. J. T. Salmon 1577
Those Outmoded Virtues—Thrift and Responsibility. J. M. Sheehan 813, 1170
Ticonderoga (U.S.) 631
Tides: See Oceanography
Todd, F. A.: Boatswain's Mate Passes Word. 1458
Toner, R. J.: Great Lakes Training Squadron 538

Page

Toney, A. L. ... 557
Torpedoes: Plane releasing ... ill. 1133
Totem poles, Ketchikan, Alaska ... ill. 991
Toussaint L'Overture, Arrest of, at Gonaives. 53
Towing (See also Tugs)
  Hell Gate (U.S.A. dredge): It's a Long Long Trail to Hawaii. H. V. Wiley. 1737, ills. 1745–52
  Ocean Tow, J. W. Welch ... 207, 294, ill. 206
  Two Tugs and Freighter. C. C. Hanks ... 810
Traditions, customs, and sea terms
  Basis of Our Naval Tradition. F. Pratt ... 1107, 1779
  Boatswain's Mate Passes Word. F. A. Todd ... 1458, ills. 1461–62
  Irish Pennants. R. T. Sutherland, Jr. ... 560, 872, 1170, 1483
  Seagoing Language. A. B. Cook ... 45
  "Splice the Main Brace." R. E. Bassler ... 1588, ills. 1593–96
Trafalgar, Battle of: Death Knell of an Alliance. C. Moran ... 1567
Training ships (See also names of ships)
  Great Lakes Training Squadron. R. J. Toner ... 538, ills. 543–46
  Sweden Reefs Her Sails. R. L. Simons ... 1722, ills. 1682–84
Trenton (U.S.) ... ill. 460
Trinidad
  Governor's residence ... ill. 1
  Reception of F. D. Roosevelt, Port of Spain ... ill. 289
Tripolitan Wars: See Barbary Wars
Tromp, M.: Battle of the Downs ... ill. 1398
Tropical storms: See Meteorology
True, A. E.: Structure of Tropical Cyclones ... 329, 397
Truxtun, T. ... 1107, 1779
  Truxtun—The Builder. E. M. Eller ... 1445
Tugs (See also Towing)
  Launching of *Mariposa* (U.S. SS) ... ill. 182
Tuscaloosa (U.S.) ... ill. 617

U

United States (U.S.) ... 166, ill. 152
United States Coast Guard
  Cutters ... ills. 760–61
  Ice patrol ... 452
  Semper Paratus—and Fourth Estate. G. F. MacMullen ... 1115
United States Marine Corps: Landing force drill ... ill. 1535
United States Naval Reserve
  Great Lakes Training Squadron. R. J. Toner ... 538, ills. 543–46
  Legislation, Proposed ... 147
  Reserve Officers' Training Corps: Bonanza. R. M. Ihrig ... 534
United States Navy
  "Americanization" of U. S. Navy. M. Radom ... 231
  Vessels building ... 114, 571, 1032, 1493
Uruguay: Reception of F. D. Roosevelt, Montevideo ... ills. 290–91
Utah (U.S.) ... ill. 602

V

Vamarie (U.S. yacht) ... 145, ill. 144
Van Cleve, J. C.: Let's Look at Record ... 1122
Van Swearingen, E. K. ... 871
Van Weelderen, J. H. B. ... 1023, 1474

Page

Vangeli, M. G.: Welding versus Riveting in New Construction ... 164, 248, 863
Vickery, H. L. ... 1173
Vicksburg (Confed.) and *Queen of the West* (U.S.) ... 1586, ill. 1598
Victoria, Queen, visiting *Resolute* (U.S.) ... ill. 32
Virgin Islands: Snowstorms in Tropics. C. A. Phillips ... 1141, ills. 1138–40
Viribus Unitis (Austro-Hung.) ... 1091, ills. 1070, 1072–73
Vizcaya (Span.) ... 1239
Von Kolnitz, H.: Confederate Submarine ... 1453

W

Waesche, R. R. ... 1630
Walker, C. C. ... 1778
Wampanoag (U.S.) ... ills. 1685–86, 1734
  By R. R. Gurley ... 1732
War
  Is War Inevitable? W. Hovgaard ... 1423
  Self-Containment, Our Armor of. M. F. Talbot ... 1381
  War and Peace. R. E. Krause ... 1724
War of 1812 (See also names of battles)
  American Marine Thermopylae. T. W. Sheridan ... 503, 551, 918
  Blockade of Boston. R. T. Sutherland, Jr. .. 195
  Captain Allen's Battle with English Barge. H. E. Dow ... 76
  Capture of Washington. M. S. Davis ... 839
Wardroom Melody. J. H. Skillman ... 681
Wardroom Mess ... 1169
Warfare, Aërial
  British Destruction of Zeppelins ... 256
  Fleets at Anchor, Aërial Attacks on. L. C. Ramsey ... 1126, 1780
  Flying-Boat Developments, Influence of, on Sea Power. E. E. Wilson ... 1433
  International Law, Airplane in ... 399
  Pass Defense for Battle Line. R. M. Ihrig ... 1117, 1780
Washington, D. C.: Capture of Washington. M. S. Davis ... 839
Washington (U.S.) ... 605, 1475
Washington (U.S. SS) ... ill. 757
Waters, K. L. ... 559
Wave damage: See Accidents—Vessels
Weems, P. V. H. ... 558, 563
Welch, J. W. ... 103, 254, 1166
  Ocean Tow ... 207, 294
Welch, P. P. ... 1165
Welding: See Naval architecture
Welles, G. ... 40
West, R. S., Jr.
  Navy and Press During Civil War ... 33, 709
  "(Private and Confidential) My Dear Fox—." ... 694
Westbridge (U.S.) ... 632, 1169
Westover (U.S.) ... 631
Westward Ho (U.S.) ... 1170
Whale Island gunnery school, England ... 105
Whipple, A. ... ill. 346
  Letters of Marque and Reprisal, Cover .. ill. 344
  Navy's Forgotten Hero. H. S. Mazet ... 347
Wiley, H. V.: It's a Long Long Trail to Hawaii ... 1737
Wilkes, C. ... ill. 369
William Rockefeller (U.S.) ... 630
Williams, H. ... 863
Wilmette (U.S.) ... ill. 544

	Page
Wilmington (U.S.)	764, 1213, 1478, ill. 546
Wilson, C. J. A.: Etchings	181–82
Wilson, E. E.: Influence of Flying-Boat Development on Sea Power	1433
Wilson, E. R.	1525
Winder, W. H.	839, ill. 838
Winslow, C. McR., Jr.: Action on Yangtze	491
Wood, V.	100
Worden (U.S.)	ill. 1206
World War (See also names of battles)	
Adriatic Sea, Naval Strategy in, during World War. A. E. Sokol	1077
Alcedo, Sinking of. C. C. Hanks	1762
Losses of United States Navy. H. A. Gosnell	630, 1169
Right of Angary: *Jus Angaria*. T. W. Sheridan	159
Two Tugs and Freighter. C. C. Hanks	810
Wright, R. H.	717
Wright (U.S.)	ill. 1057

Y

	Page
Yale University: Sterling Memorial Library navigation exhibit	1066
Yamasiro (Jap)	ill. 1521
Yangtze Patrol: See China	
Yorktown (U.S.)	335, 799, ills. 339–40

Z

	Page
Zane (U.S.)	ill. 965
Zara (It.)	ill. 1673
Zeelandia (Neth. SS)	ill. 157
Zeppelins: See Airships	